

Patent Abstracts of Japan

PUBLICATION NUMBER : 07068139
PUBLICATION DATE : 14-03-95

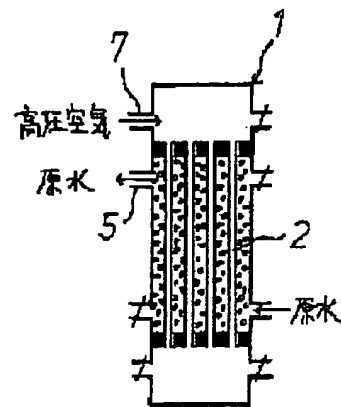
APPLICATION DATE : 06-09-93
APPLICATION NUMBER : 05221117

APPLICANT : NGK INSULATORS LTD;

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INT.CL. : B01D 65/02 B01D 63/02

TITLE : METHOD FOR BACKWASHING
HOLLOW-FIBER MEMBRANE MODULE



ABSTRACT : PURPOSE: To provide the method, with which the amounts of raw water and a high pressure gas required for the backwashing can be reduced and the module can be completely backwashed up to its upper end by repeatedly performing the process that comprises sufficiently filling the inside of the module with fresh raw water and thereafter introducing the high pressure gas into the inside or outside of the hollow-fiber membranes for a specific time.

CONSTITUTION: The process, in which the inside of the hollow-fiber membrane module 1 is sufficiently filled with fresh raw water and thereafter a high pressure gas is introduced into the inside or outside of the hollow-fiber membranes 2 for a specific time and then the inside of the module 1 is sufficiently refilled with fresh raw water to compensate for the lowering in the water level in the inside of the module due to the introduction of the high pressure gas and thereafter the high pressure gas is introduced again, is performed repeatedly. Accordingly, the accumulation of air in the upper part of the module 1 is prevented from being produced and even the deposited materials on the upper end of the hollow-fiber membranes 2 can be sufficiently removed. Further, the amounts of the raw water and high pressure gas required for the backwashing can be reduced.

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